

1652

#6

1600

RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/625,790

TIME: 15:24:06

Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I625790.raw

ENTERED

3 <110> APPLICANT: Peltz, Stuart W.
 4 Dinman, Jonathan D.
 5 Cui, Ying
 7 <120> TITLE OF INVENTION: Proteins involved in targeting of peptidyl transfer center,

and

8 corresponding therapeutic agents and methods
 10 <130> FILE REFERENCE: 601-1-044Div
 12 <140> CURRENT APPLICATION NUMBER: 09/625,790
 13 <141> CURRENT FILING DATE: 2000-07-26
 15 <150> PRIOR APPLICATION NUMBER: 08/724,992
 16 <151> PRIOR FILING DATE: 1996-10-04
 18 <160> NUMBER OF SEQ ID NOS: 14
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 113
 24 <212> TYPE: PRT
 25 <213> ORGANISM: homo sapiens
 27 <400> SEQUENCE: 1
 29 Met Ser Ala Ile Gln Asn Leu His Ser Phe Asp Pro Phe Ala Asp Ala
 30 1 5 10 15
 33 Ser Lys Gly Asp Asp Leu Leu Pro Ala Gly Thr Glu Asp Tyr Ile His
 34 20 25 30
 37 Ile Arg Ile Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln
 38 35 40 45
 41 Gly Ile Ala Asp Asp Tyr Asp Lys Lys Lys Leu Val Lys Ala Phe Lys
 42 50 55 60
 45 Lys Lys Phe Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly
 46 65 70 75 80
 49 Glu Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Ile Cys Gln Phe
 50 85 90 95
 53 Leu Val Glu Ile Gly Leu Ala Lys Asp Asp Gln Leu Lys Val His Gly
 54 100 105 110
 57 Phe
 61 <210> SEQ ID NO: 2
 62 <211> LENGTH: 110
 63 <212> TYPE: PRT
 64 <213> ORGANISM: aedans aegypticus
 66 <400> SEQUENCE: 2
 68 Met Ser Ile Gln Asn Leu Asn Thr Phe Asp Pro Phe Ala Asp Ala Ile
 69 1 5 10 15
 72 Lys Gly Ala Asp Tyr Asp Val Gln Asp Gly Leu Val His Ile Arg Ile
 73 20 25 30
 76 Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln Gly Leu Ser
 77 35 40 45
 80 Ala Glu Tyr Asp Leu Lys Lys Ile Val Arg Ala Cys Lys Lys Glu Phe
 81 50 55 60
 84 Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly Glu Val Leu
 85 65 70 75 80

TECH CENTER

RECEIVED

TECH CENTER 1600/2900

RECEIVED

DEC 9 2001

RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/625,790

TIME: 15:24:06

Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I625790.raw

```

88 Gln Leu Gln Gly Asp Gln Arg Glu Asn Ile Cys Gln Trp Leu Thr Lys
89           85           90           95
92 Ser Gly Leu Ala Lys Pro Glu Gln Leu Lys Val His Gly Phe
93           100           105           110
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 116
98 <212> TYPE: PRT
99 <213> ORGANISM: Oryza sativa
101 <400> SEQUENCE: 3
103 Met Ser Asp Leu Asp Ile Gln Ile Pro Thr Ala Phe Asp Pro Phe Ala
104 1           5           10           15
107 Glu Ala Asn Ala Gly Asp Ser Gly Ala Ala Ala Gly Ser Lys Asp Tyr
108           20           25           30
111 Val His Val Arg Ile Gln Gln Arg Asn Gly Arg Lys Ser Leu Thr Thr
112           35           40           45
115 Val Gln Gly Leu Lys Lys Glu Phe Ser Tyr Asn Lys Ile Leu Lys Val
116           50           55           60
119 Leu Lys Lys Glu Phe Cys Cys Asn Gly Thr Val Val Gln Asp Pro Glu
120 65           70           75           80
123 Leu Gly Gln Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Val Ser
124           85           90           95
127 Asn Phe Leu Val Gln Ala Gly Ile Val Lys Lys Glu His Ile Lys Ile
128           100           105           110
131 His Gly Phe Ser
132           115
135 <210> SEQ ID NO: 4
136 <211> LENGTH: 108
137 <212> TYPE: PRT
138 <213> ORGANISM: saccharomyces cerevisiae
140 <400> SEQUENCE: 4
142 Met Ser Ile Glu Asn Leu Lys Ser Phe Asp Pro Phe Ala Asp Thr Gly
143 1           5           10           15
146 Asp Asp Glu Thr Ala Thr Ser Asn Tyr Ile His Ile Arg Ile Gln Gln
147           20           25           30
150 Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln Gly Val Pro Glu Glu
151           35           40           45
154 Tyr Asp Leu Lys Arg Ile Leu Lys Val Leu Lys Lys Asp Phe Ala Cys
155           50           55           60
158 Asn Gly Asn Ile Val Lys Asp Pro Glu Met Gly Glu Ile Ile Gln Leu
159 65           70           75           80
162 Gln Gly Asp Gln Arg Ala Lys Val Cys Glu Phe Met Ile Ser Gln Leu
163           85           90           95
166 Gly Leu Gln Lys Lys Asn Ile Lys Ile His Gly Phe
167           100           105
170 <210> SEQ ID NO: 5
171 <211> LENGTH: 102
172 <212> TYPE: PRT
173 <213> ORGANISM: Methanococcus sp.
175 <400> SEQUENCE: 5

```

RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/625,790

TIME: 15:24:06

Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I625790.raw

```

177 Met Pro Glu Ile Cys Pro Ile Cys Gly Leu Pro Lys Asp Leu Cys Val
178 1          5          10          15
181 Cys Glu Glu Ile Ala Lys Glu Glu Gln Lys Ile Lys Val Tyr Val Thr
182          20          25          30
185 Lys Arg Arg Phe Gly Lys Leu Met Thr Val Val Asp Gly Arg Asp Ala
186          35          40          45
189 Asp Leu Ile Asp Val Lys Asp Leu Ala Lys Lys Leu Lys Asp Ile Cys
190          50          55          60
193 Ala Cys Gly Gly Thr Val Lys Lys Asp Ser Ile Glu Leu Gln Gly Asp
194 65          70          75          80
197 His Arg Lys Lys Ala Glu Glu Ile Leu Ile Lys Met Gly Phe Ser Lys
198          85          90          95
201 Asp Met Ile Asp Val Arg
202          100
205 <210> SEQ ID NO: 6
206 <211> LENGTH: 10
207 <212> TYPE: RNA
208 <213> ORGANISM: artificial sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: theoretical sequence used for illustration
213 <400> SEQUENCE: 6
214 ggguuuagga
217 <210> SEQ ID NO: 7
218 <211> LENGTH: 42
219 <212> TYPE: DNA
220 <213> ORGANISM: Saccharomyces cerevisiae
222 <400> SEQUENCE: 7
223 aattcatgtg cgtattgtgg tatagattct gcaaagtgtg tc
226 <210> SEQ ID NO: 8
227 <211> LENGTH: 21
228 <212> TYPE: DNA
229 <213> ORGANISM: artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: PCR primer
234 <400> SEQUENCE: 8
235 ccggaattca tgaacgggaa a
238 <210> SEQ ID NO: 9
239 <211> LENGTH: 29
240 <212> TYPE: DNA
241 <213> ORGANISM: artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: PCR primer
246 <400> SEQUENCE: 9
247 gaccggccgt aacggacgtt gtaatacat
250 <210> SEQ ID NO: 10
251 <211> LENGTH: 28
252 <212> TYPE: DNA
253 <213> ORGANISM: artificial sequence
255 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/625,790

TIME: 15:24:06

Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I625790.raw

```

256 <223> OTHER INFORMATION: PCR primer
258 <400> SEQUENCE: 10
259 atccccgcgg gagttgaaag ttgccatc                28
262 <210> SEQ ID NO: 11
263 <211> LENGTH: 23
264 <212> TYPE: DNA
265 <213> ORGANISM: artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: PCR primer
270 <400> SEQUENCE: 11
271 gacggatcca aagtatattg gac                23
274 <210> SEQ ID NO: 12
275 <211> LENGTH: 6
276 <212> TYPE: PRT
277 <213> ORGANISM: saccharomyces cerevisiae
279 <400> SEQUENCE: 12
281 Leu Gln Gly Asp Gln Arg
282 1      5
285 <210> SEQ ID NO: 13
286 <211> LENGTH: 30
287 <212> TYPE: DNA
288 <213> ORGANISM: artificial sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: PCR primer
293 <400> SEQUENCE: 13
294 ataggatcct taaccggccg gacagtaata                30
297 <210> SEQ ID NO: 14
298 <211> LENGTH: 51
299 <212> TYPE: DNA
300 <213> ORGANISM: artificial sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: PCR primer
305 <400> SEQUENCE: 14
306 ataggatcct tgtcatcgtc gtccttgtag tctctcaaac ctcttggggt t                51

```

VERIFICATION SUMMARY

DATE: 12/06/2001

PATENT APPLICATION: US/09/625,790

TIME: 15:24:07

Input Set : A:\es.txt

Output Set: N:\CRF3\12062001\I625790.raw